

ABSTRACT
OPERATIONAL AMPLIFIER ARRANGEMENT

An operational amplifier arrangement is disclosed which
5 comprises a non-linear amplifier and a linear amplifier, both having a
pair of input terminals one of which is coupled to an arrangement input
terminal, and both having an output terminal which is coupled to an
arrangement output terminal, whereby the output terminal of said non-
linear amplifier is further coupled to the output terminal of said linear
10 amplifier via a series impedance, whereby the output terminal of said
linear amplifier is coupled to the arrangement output terminal via a
terminating impedance, and whereby the arrangement further includes
an active back termination arrangement coupled between the
arrangement output terminal and either one of said pair of input
15 terminals of said linear amplifier. In a preferred embodiment said
linear amplifier is operating between a power supply which exceeds the
supply voltage of the power supply of said non-linear amplifier.
Differential embodiments of this basic configuration are also described.